

FIG. 1

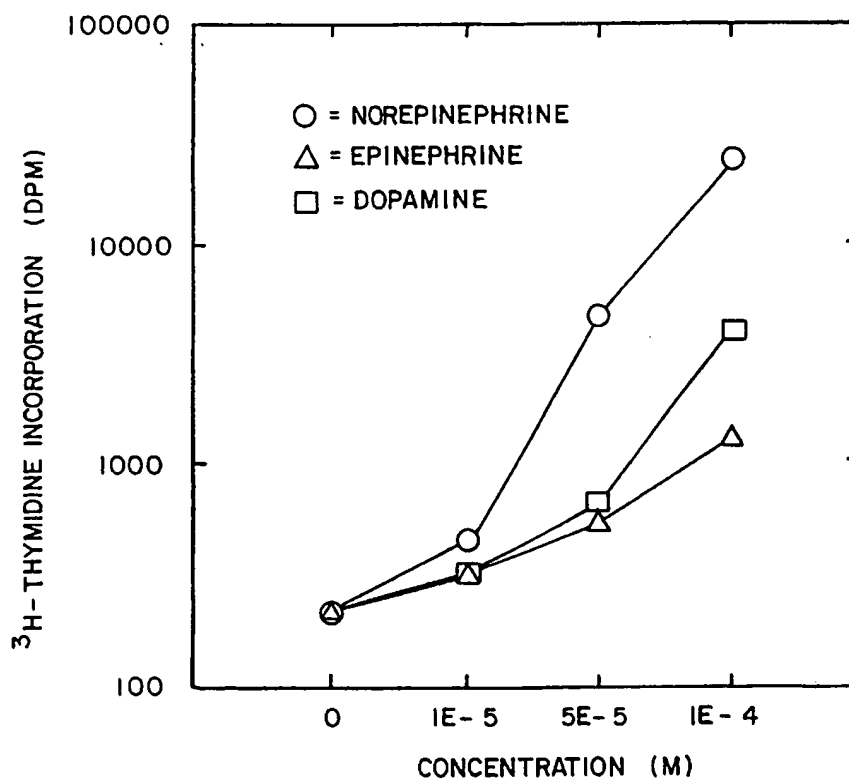


FIG. 3

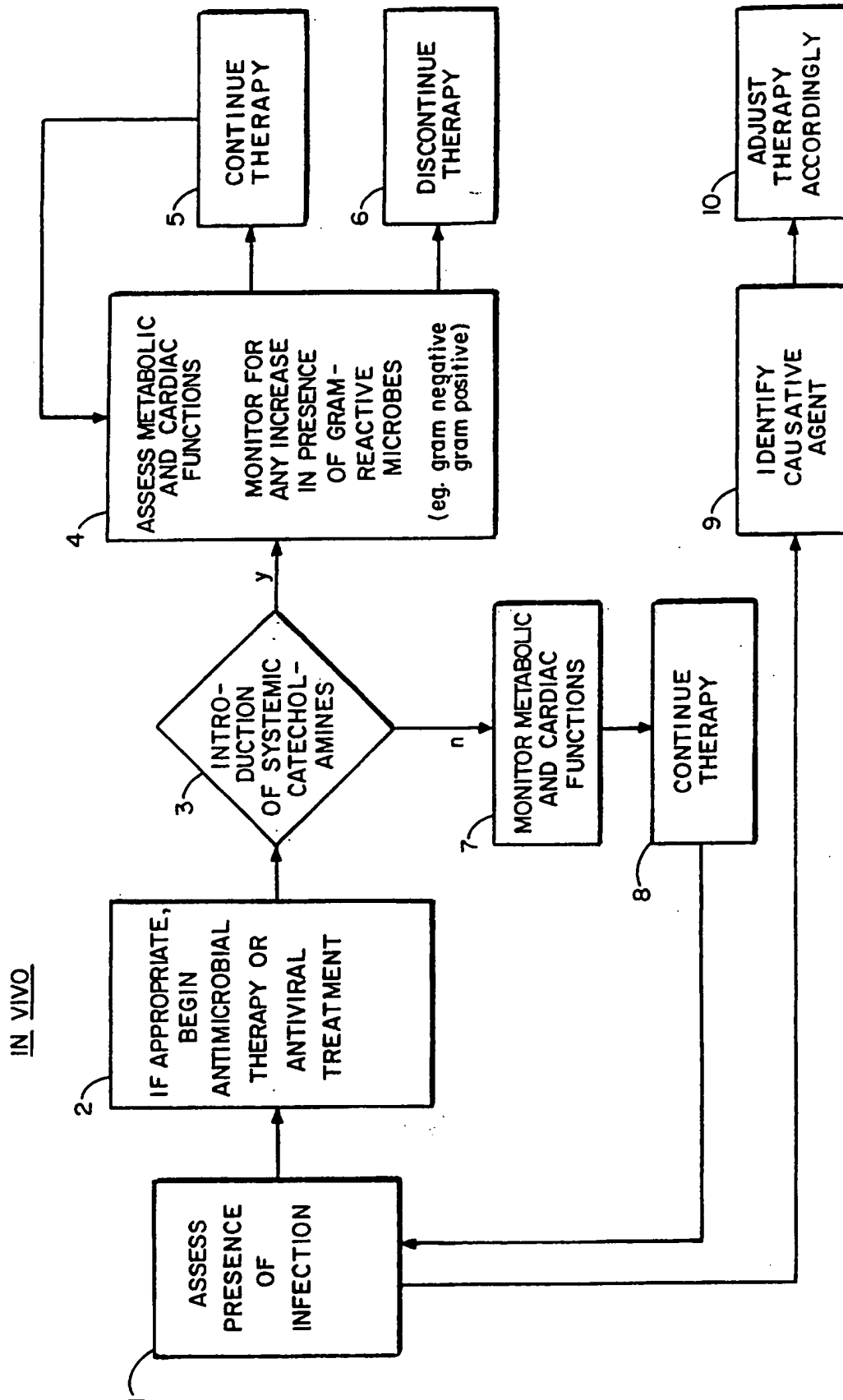


FIG. 2

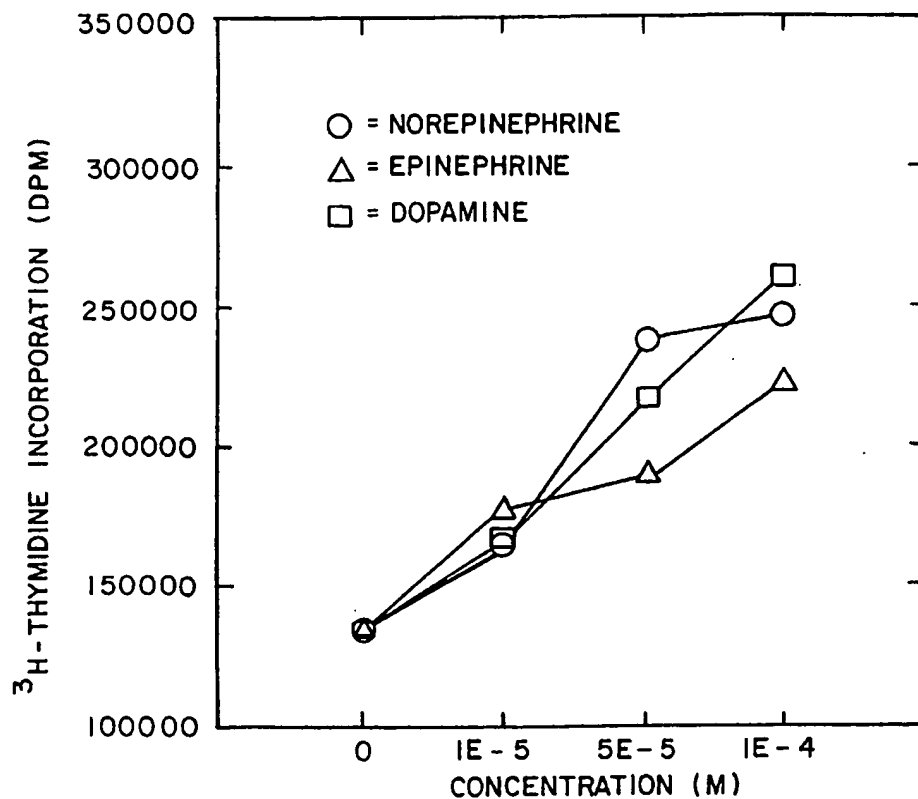


FIG. 4

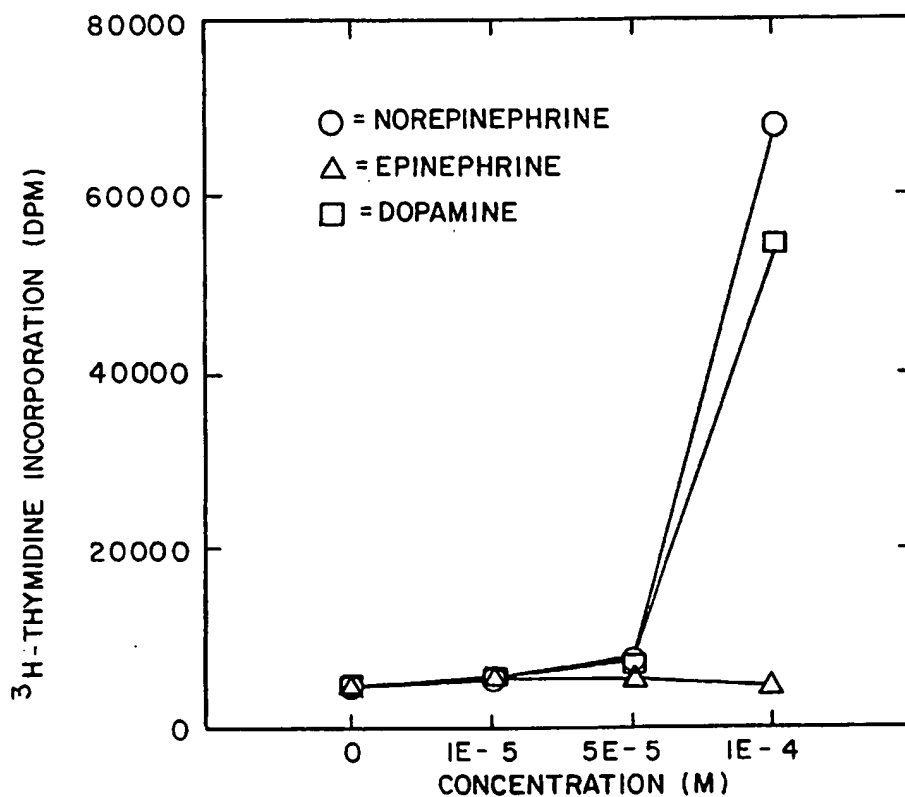


FIG. 5

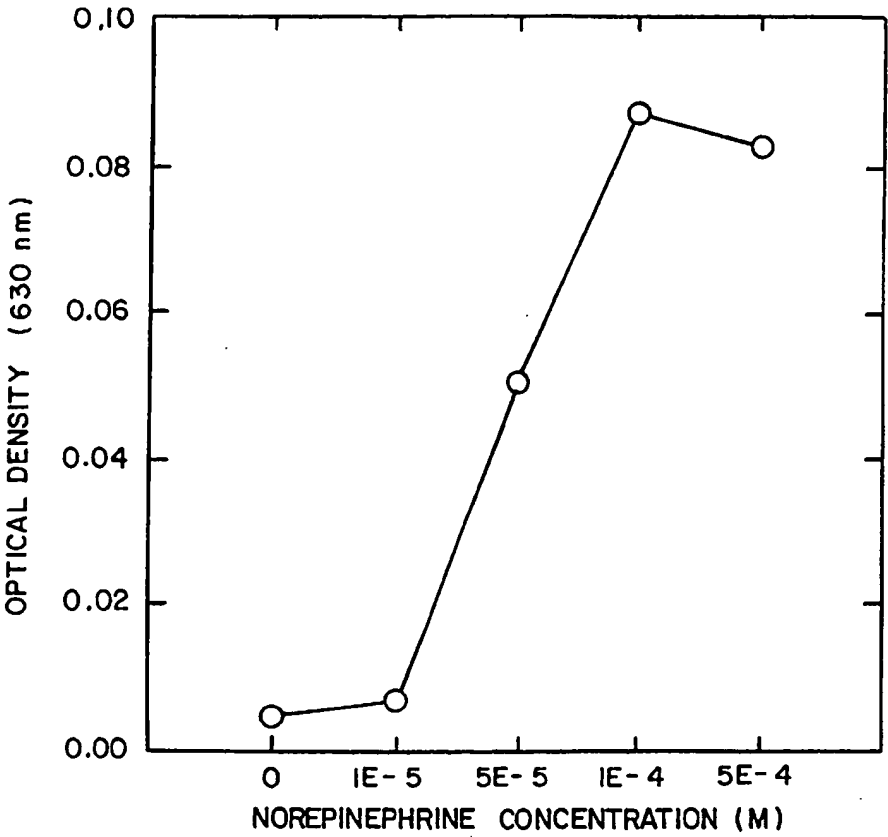


FIG. 6

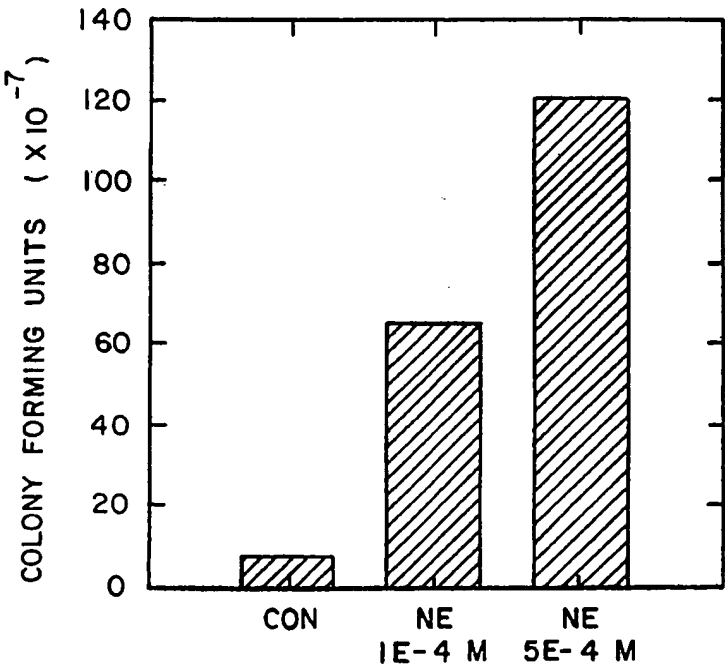


FIG. 7

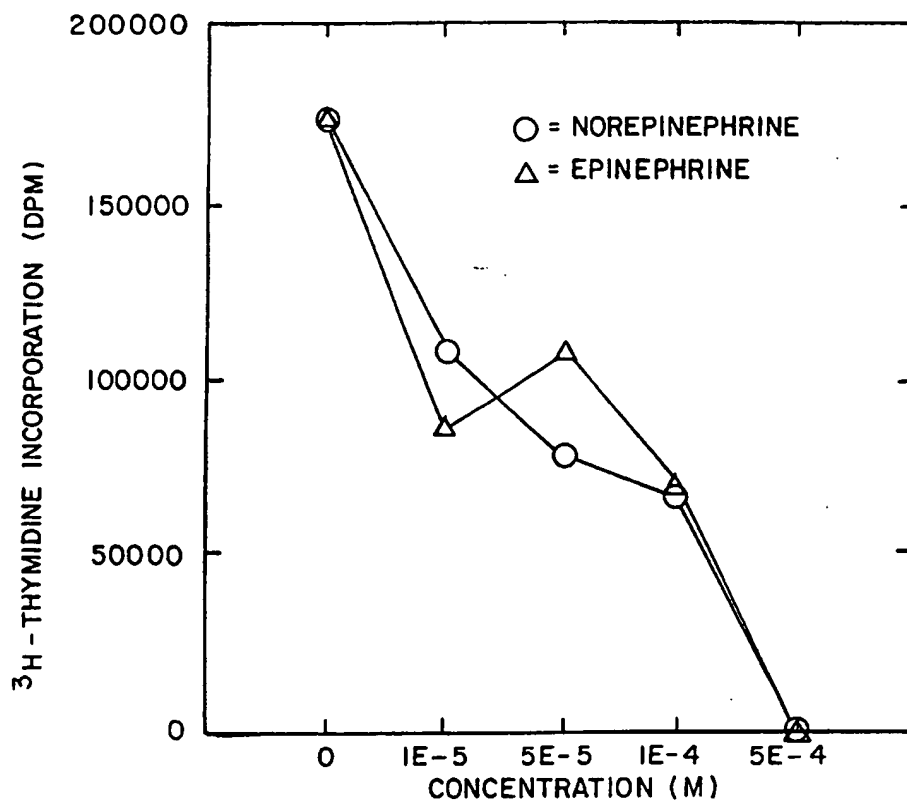


FIG. 8

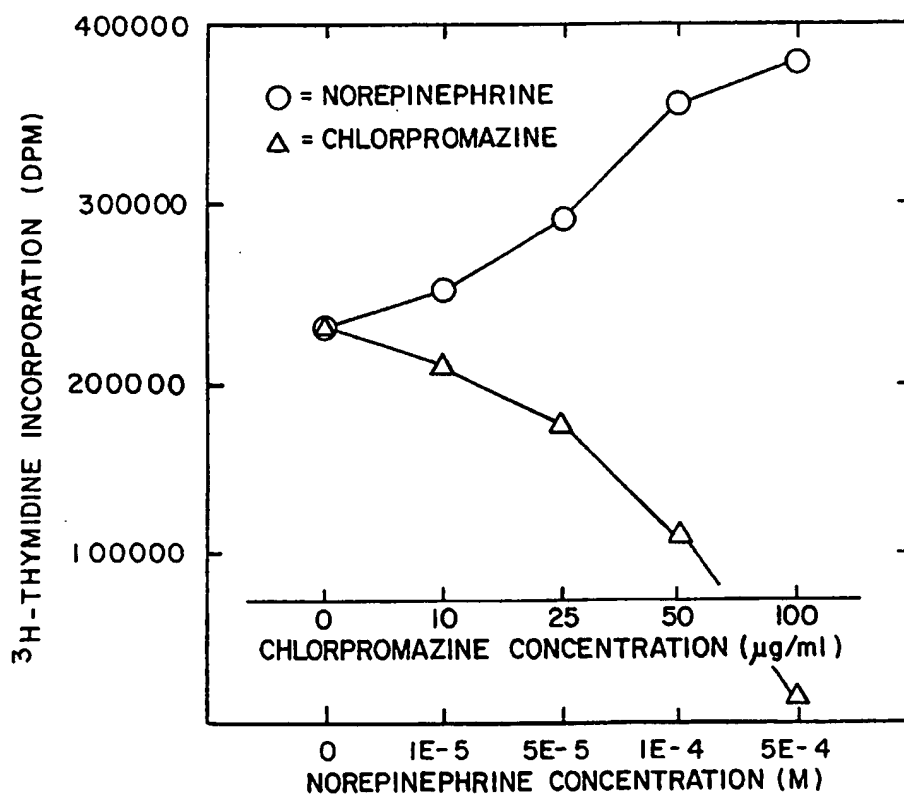


FIG. 9

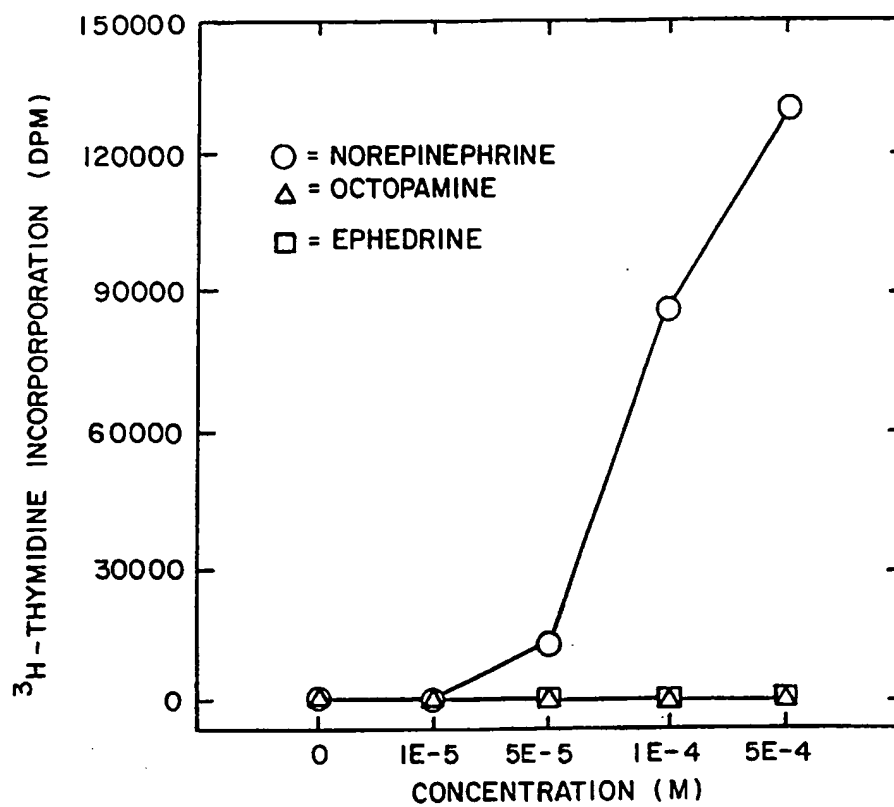


FIG. 10

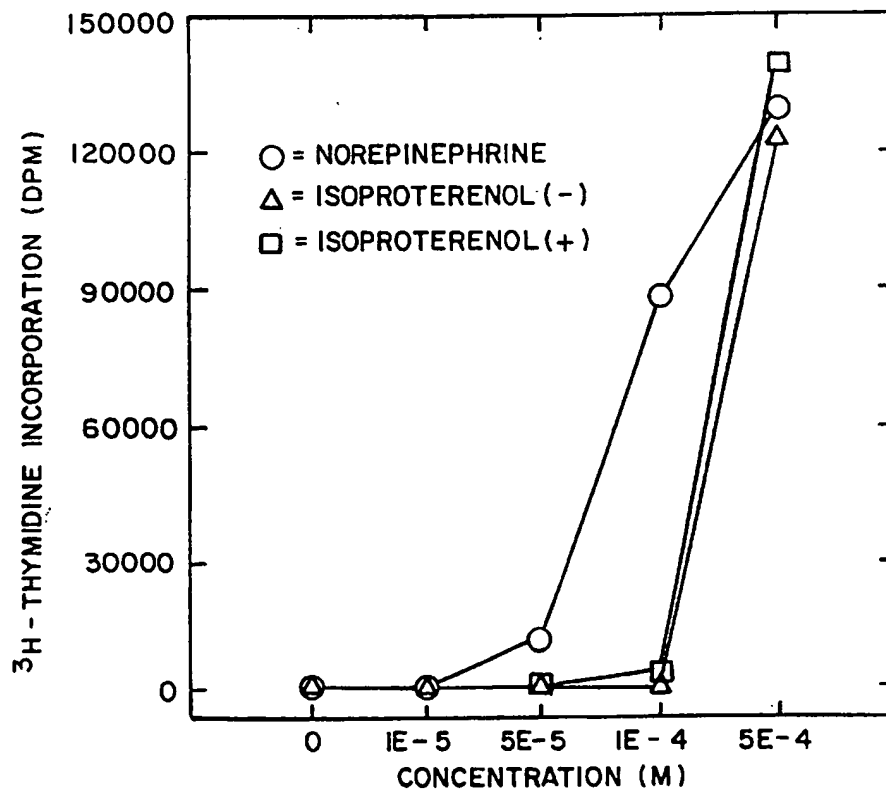
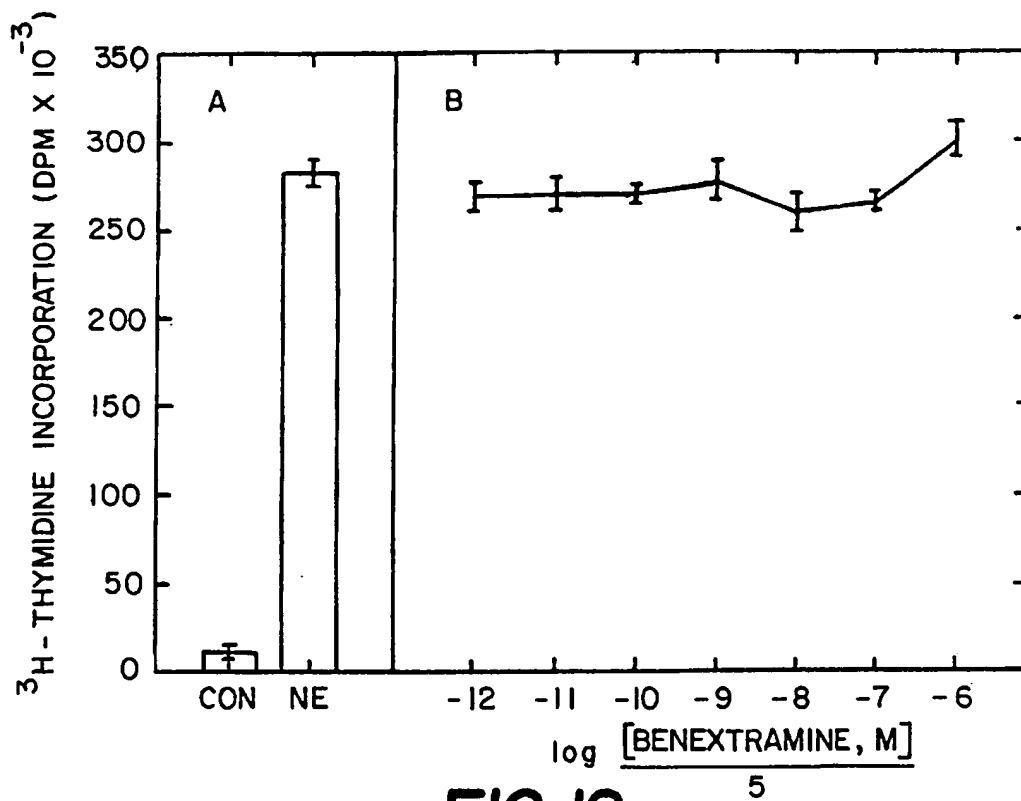
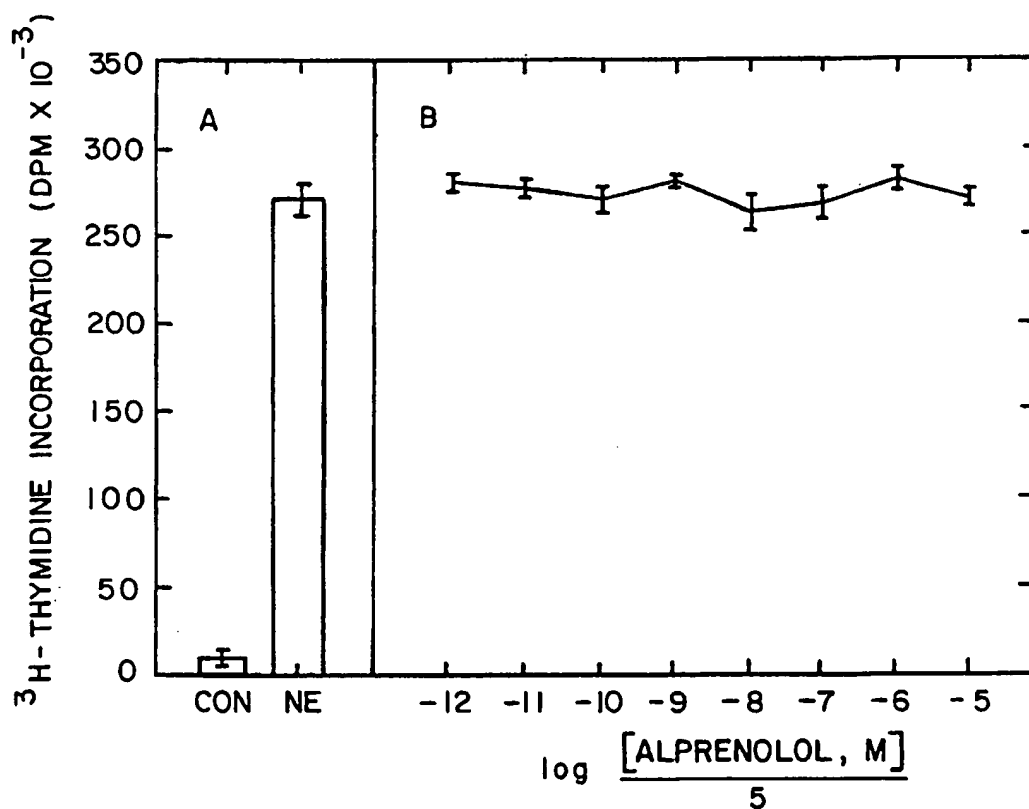


FIG. 11

**FIG. 12****FIG. 13**

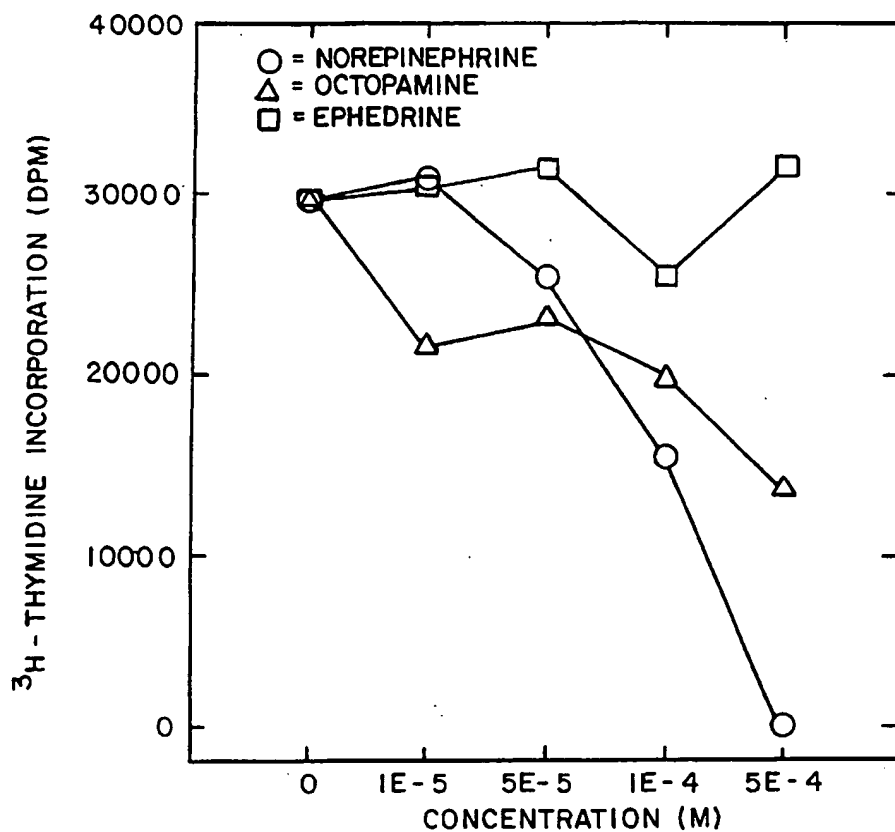


FIG. 14

EFFECT OF NOREPINEPHRINE ON GLUCOSE PRODUCTION
E. COLI - 2.4×10^3 PER WELL

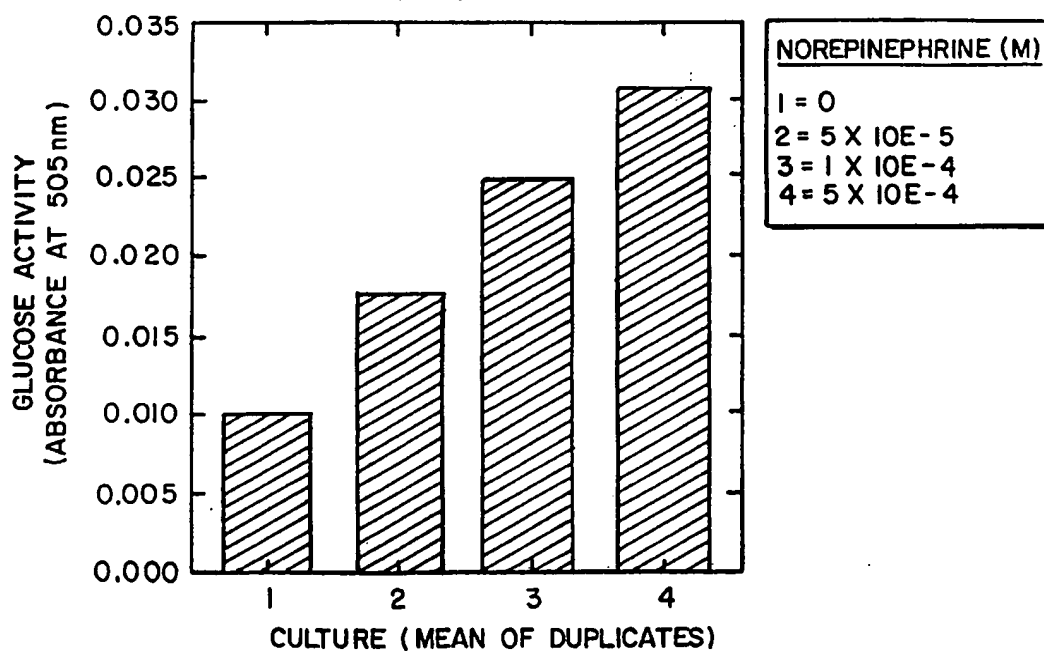


FIG. 15

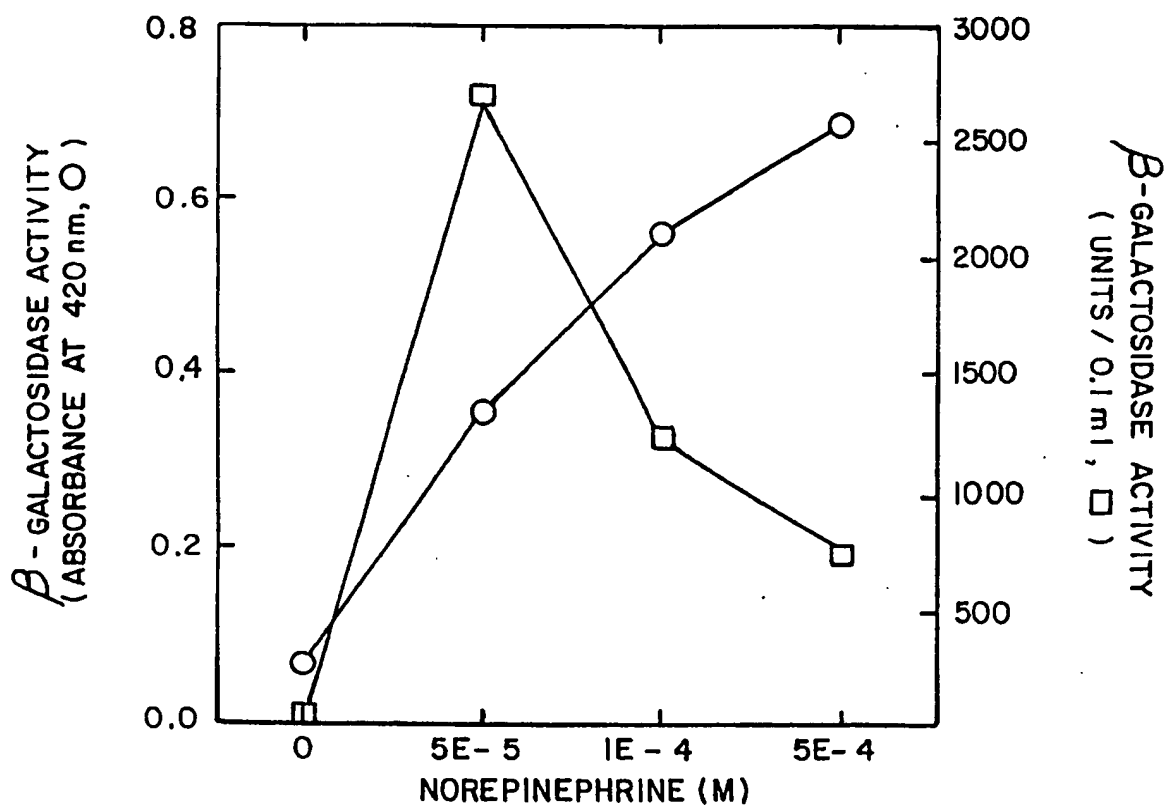
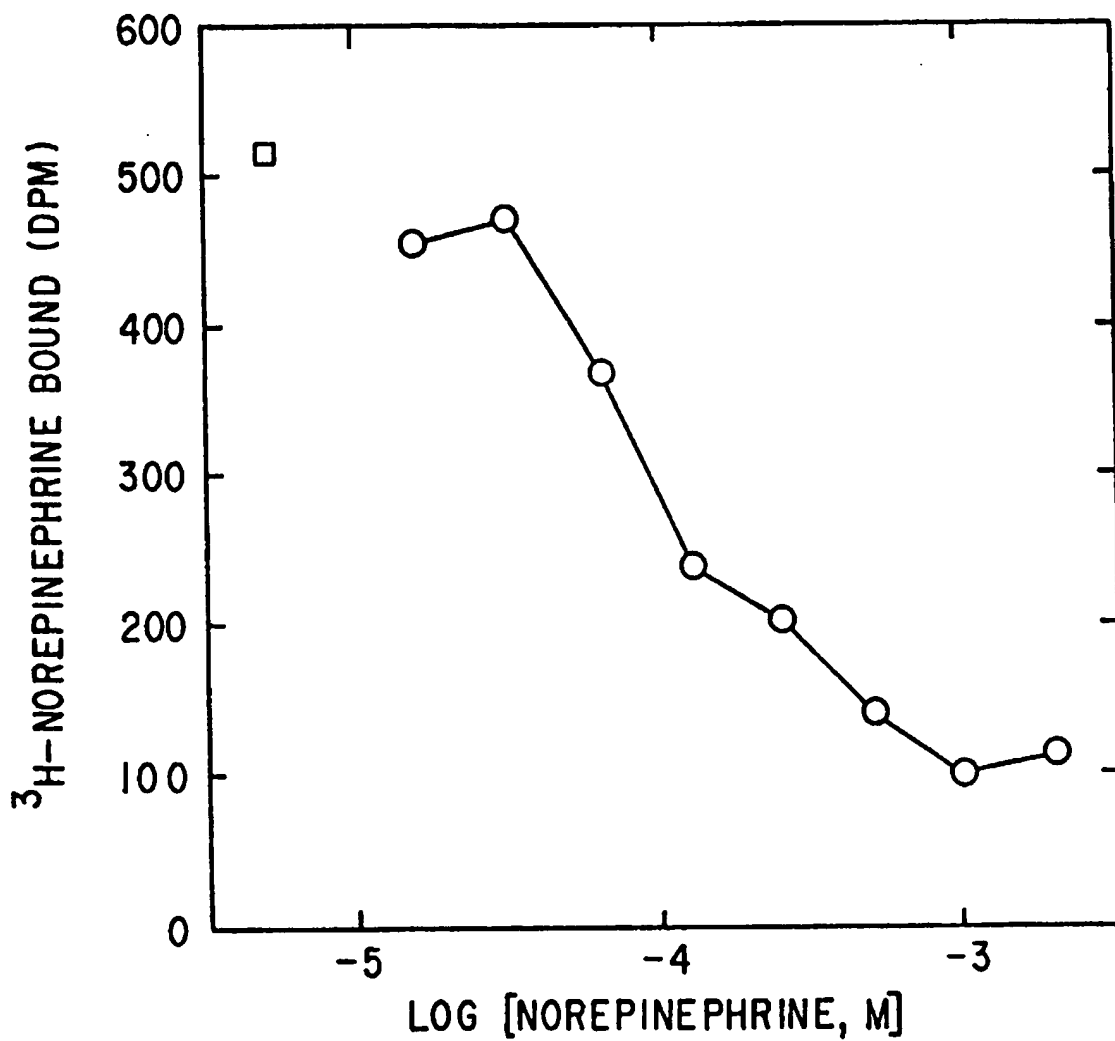


FIG. 16

*FIG. 17*

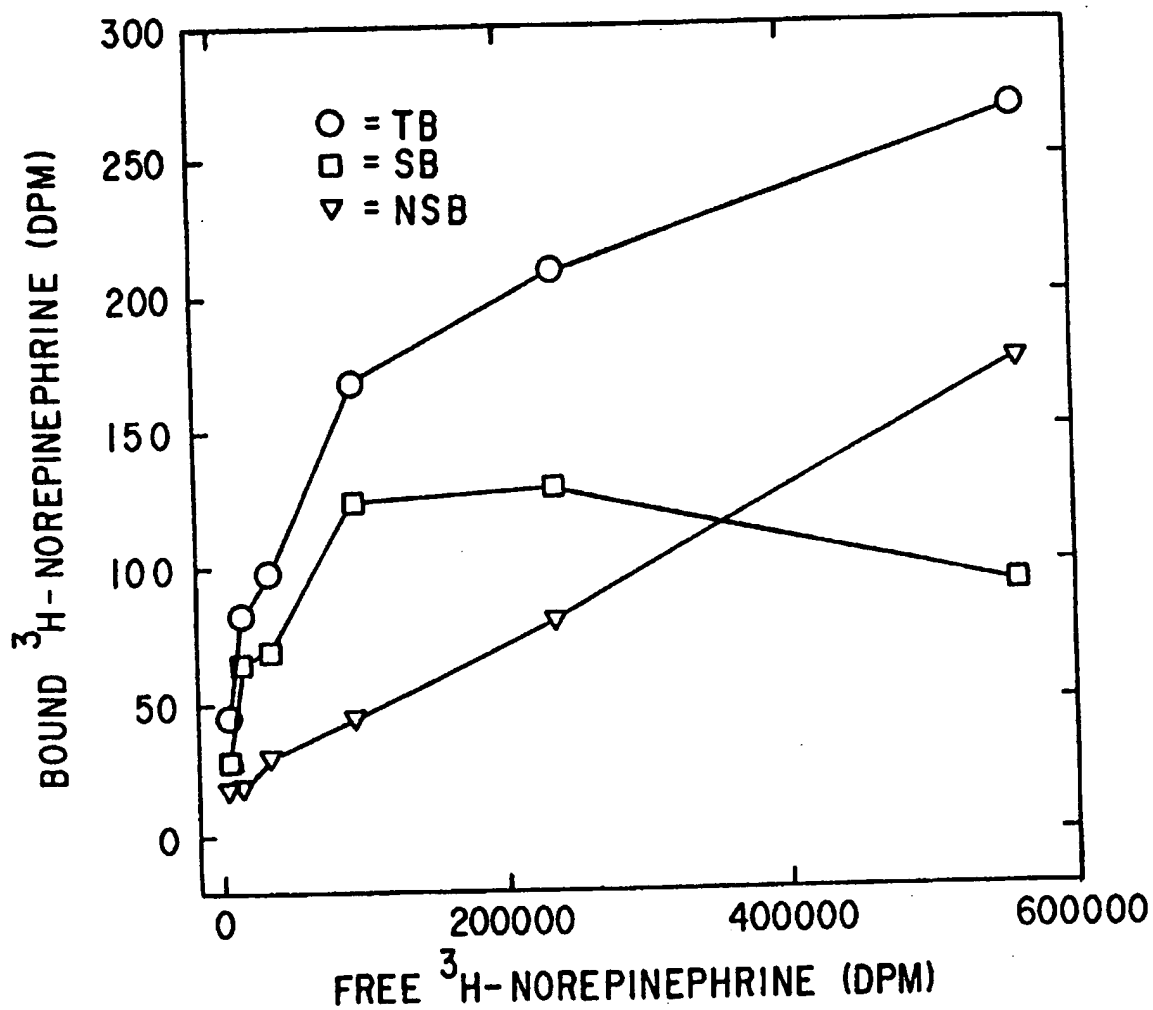
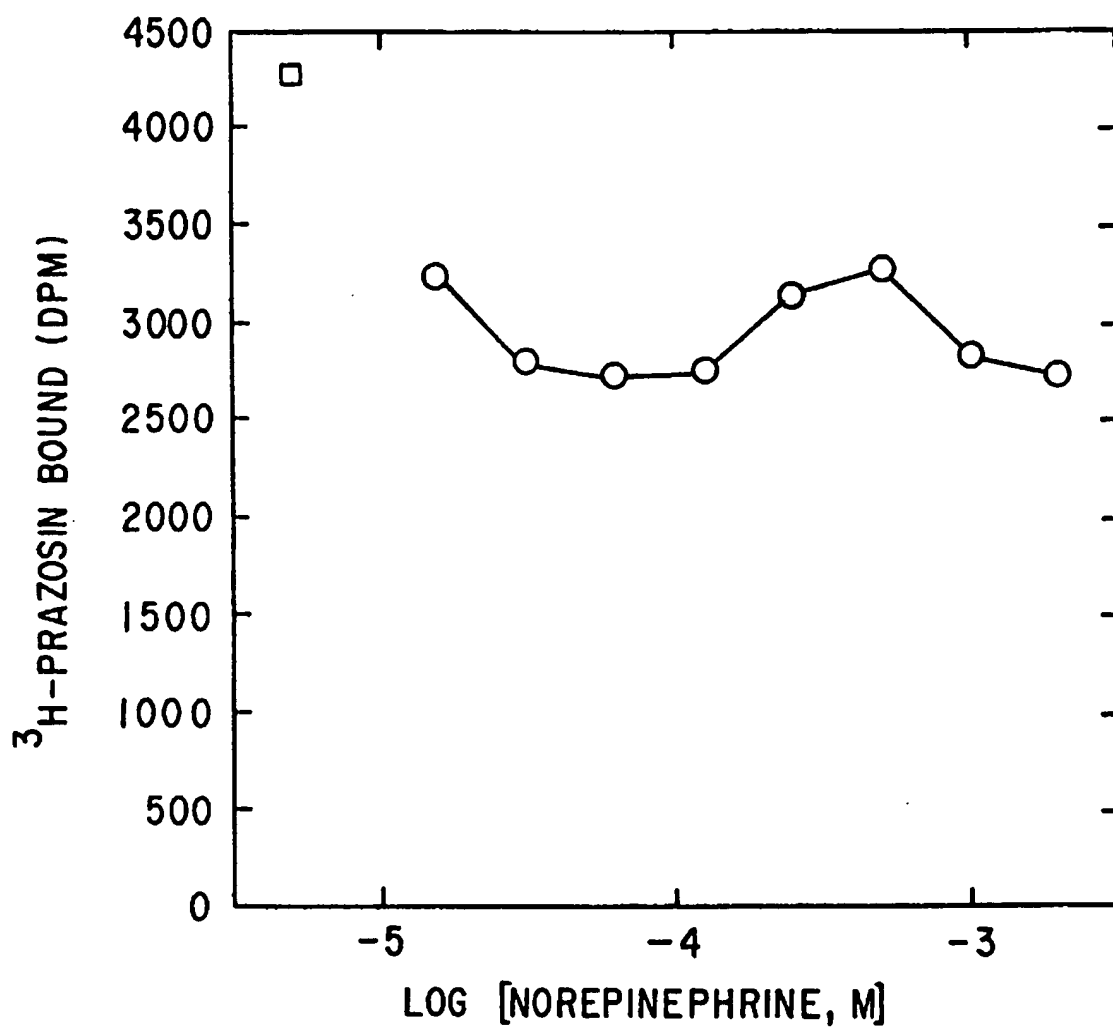
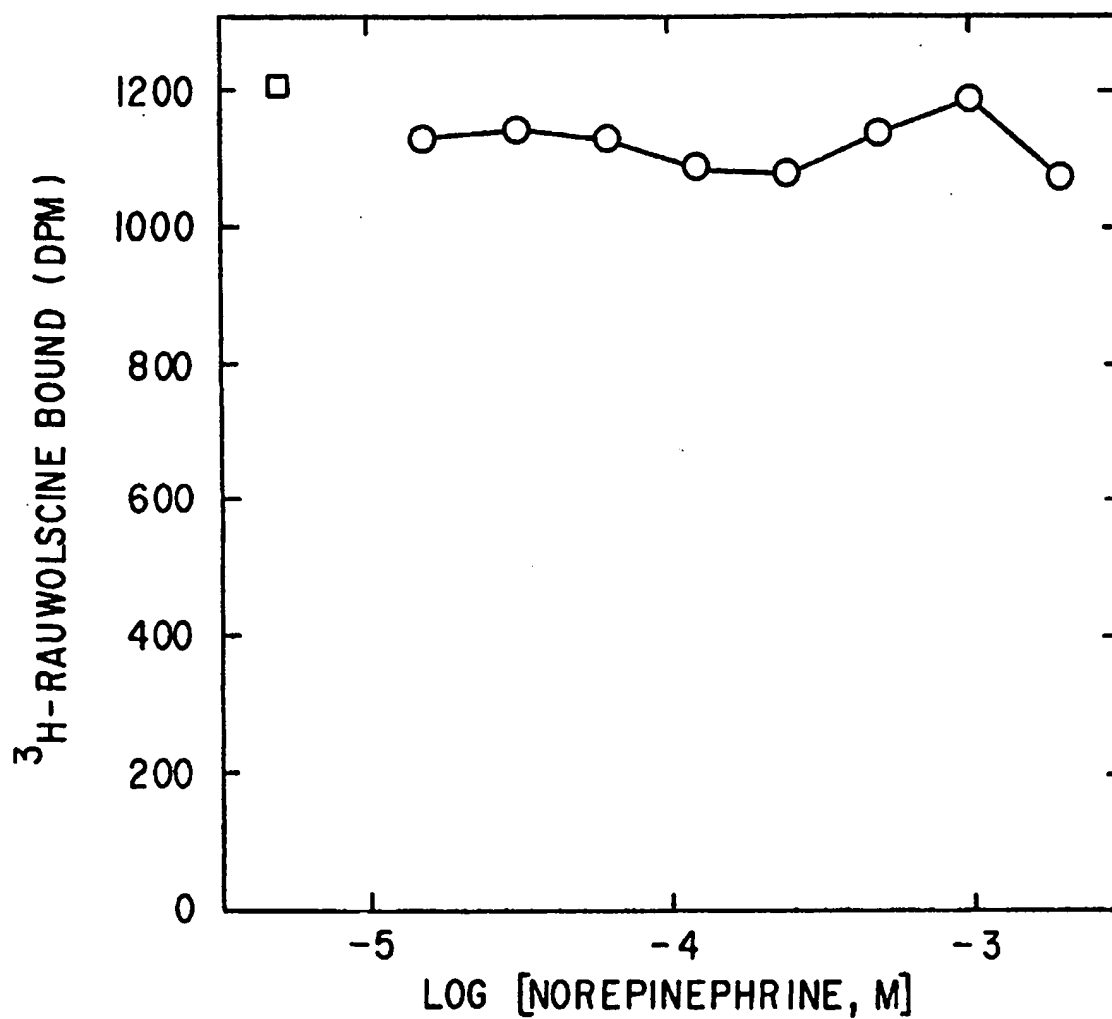
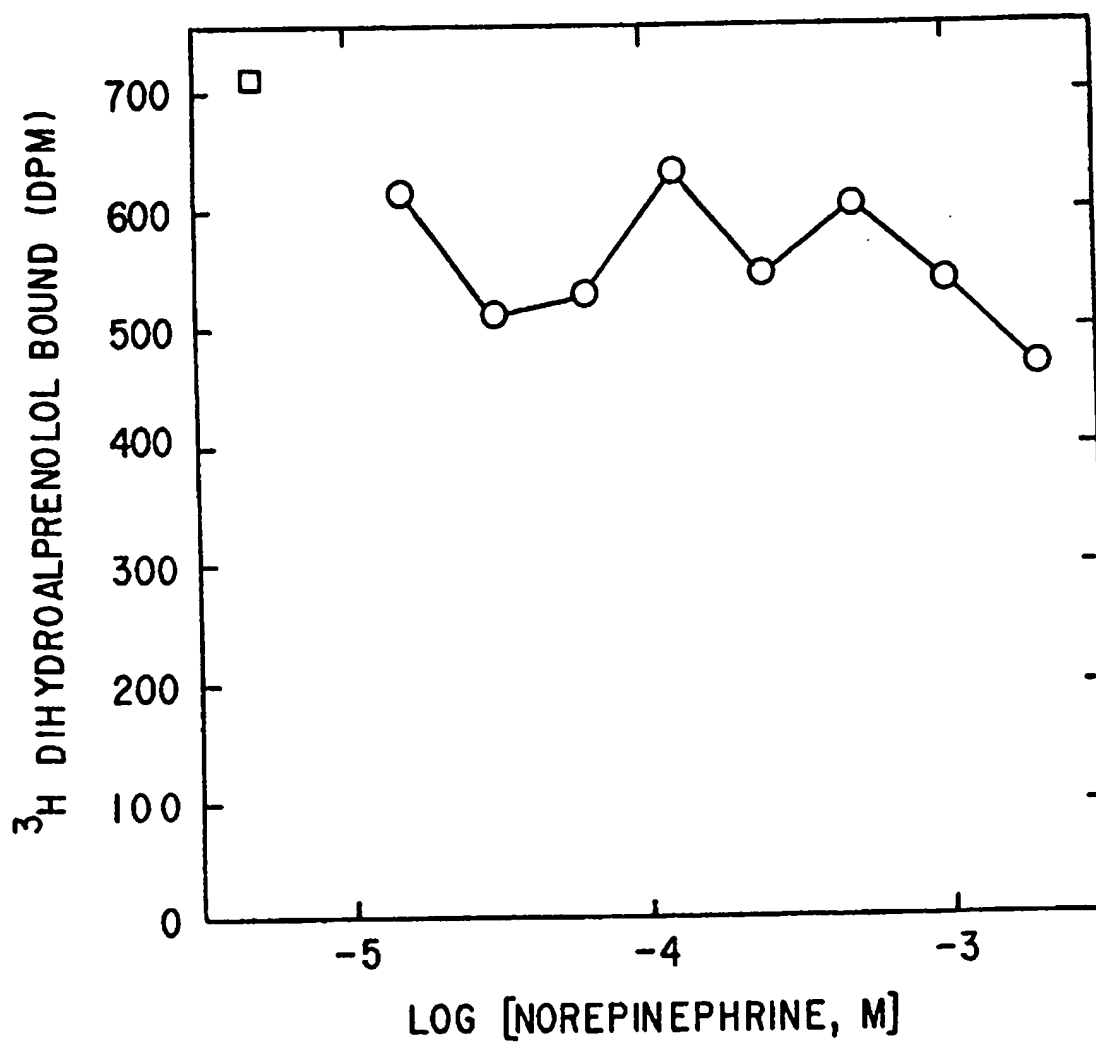


FIG. 18

*FIG. 19A*

*FIG. 19B*

*FIG. 19C*

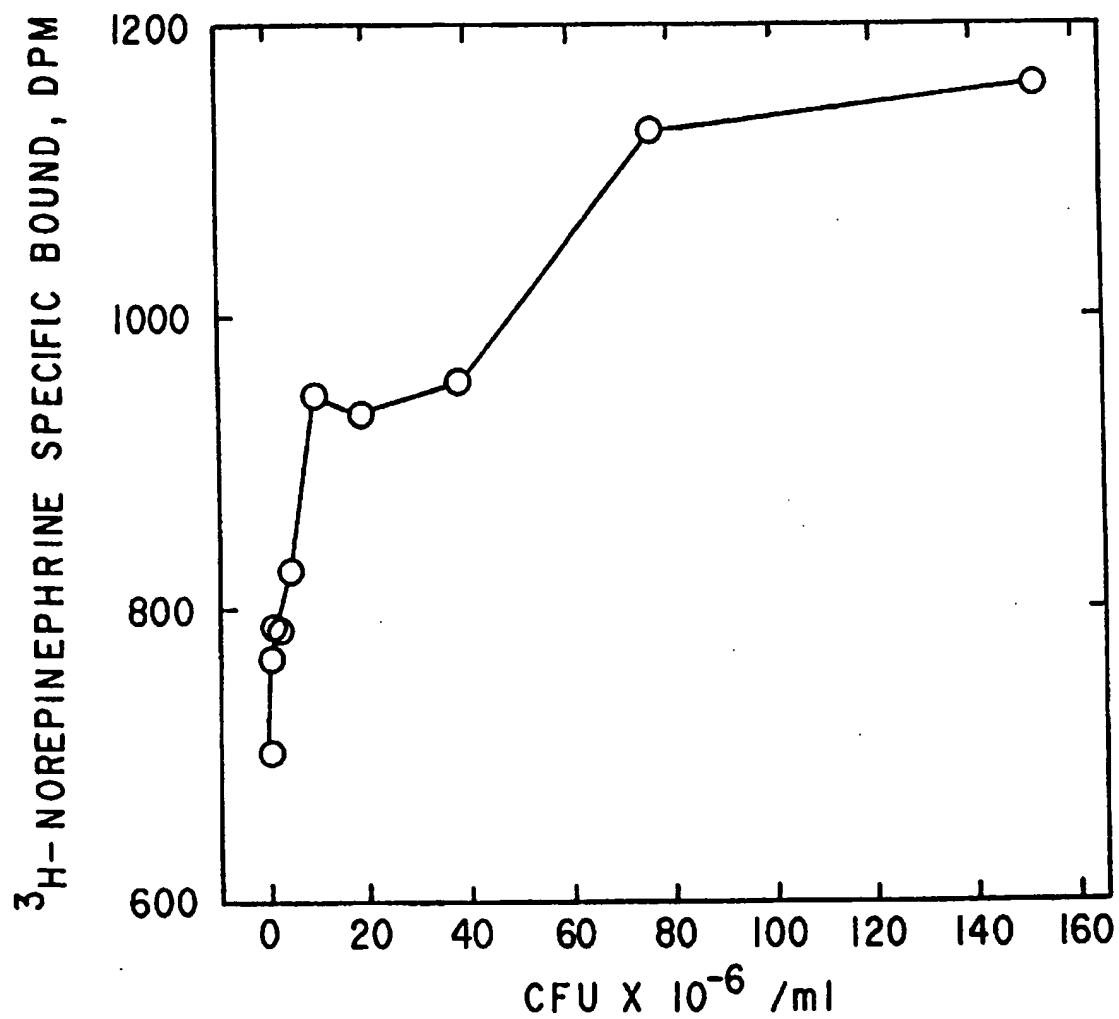
*FIG. 20*

TABLE 1

MICROBE	CFU	CATECHOLAMINE (DPM)					
		<u>O</u>	<u>NE</u>	<u>EPI</u>	<u>DOPA</u>	<u>MHPG</u>	<u>NOR</u>
YERSINIA ENTERO- COLITICA	80	722	54342	856	6623	853	866
ESCHERICHIA COLI	15	258	24629	1563	4354	1105	632
ESCHERICHIA COLI	1500	135349	243531	226365	255121	183496	95081

FIG. 21

TABLE 2

CFU	COMPOUND (DPM)					
	<u>O</u>	<u>NE</u>	<u>OCI</u>	<u>(-)ISO</u>	<u>(+)ISO</u>	<u>EPH</u>
130	150	29243	159	146	183	297

FIG. 22

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